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METHOD AND APPARATUS FOR INTERMEDIATE FREQUENCY
SELECTION IN A HETERODYNE RECEIVER

Abstract of the Disclosure

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In a heterodyne receiver having more than one
selectable receive frequency and having at least one
intermediate frequency circuit (102) capable of operation
on at least two intermediate frequencies, a method for
selecting one of the at least two intermediate frequencies
is shown. The selection method ~~comprises~~ ^{includes} selecting (402)
one of the more than one selectable receive frequency, and
then selecting (408, 410, 504, 506, 510, 512) at least one
of the at least two intermediate frequencies for each of
the at least one intermediate frequency circuit in response
to the selected receive frequency. The selection of the
intermediate frequency for each of the at least one
intermediate frequency circuit is made such that the
selected intermediate frequency does not cause the
generation of one or more undesirable spurious frequencies
as a result of mixing the selected receive frequency and
the selected intermediate frequency.

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